

## Synaptophysin Ab-4

### Rabbit Polyclonal Antibody

Cat. #RB-1461-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 1.0mg/ml) (Purified Ab with BSA and Azide)

Cat. #RB-1461-P1ABX or -PABX (0.5ml or 1.0ml at 1.0mg/ml) (Purified Ab without BSA and Azide)

Cat. #RB-1461-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)

Cat. #RB-1461-PCS (5 Slides) (Positive Control for Histology)

Cat. #RB-1461-PCL (0.1ml) (Positive Control for Western Blot)

**Comments:** Antibody to synaptophysin reacts with neuroendocrine neoplasms of neural as well as epithelial types. In combination with anti-chromogranin A and anti-NSE, Ab to synaptophysin is very useful in the identification of normal neuroendocrine cells and neuroendocrine neoplasms.

**Mol. Wt. of Antigen:** 38kDa

**Epitope:** C-terminal

**Species Reactivity:** Human and Rat. Others-not known.

**Immunogen:** A synthetic peptide from C-terminus of human synaptophysin.

#### Applications and Suggested Dilutions:

- Western Blotting (5-10µg/ml for 2 hours at RT)
- Immunohistology (formalin/paraffin)  
(Use Ab at 5-10µg/ml for 30 min at RT)
- \* [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (**NEOMARKERS'** Cat. #AP-9003), for 10-20 min followed by cooling at RT for 20 min.]

The optimal dilution for a specific application should be determined by the investigator.

**Positive Control:** IMR-5 cells. Pancreas or Pheochromocytoma or GI tumor.

**Cellular Localization:** Cytoplasmic

**Supplied As:** Total IgG purified from rabbit anti-serum by Protein A chromatography. Prepared at 1mg/ml in 10mM PBS, pH 7.4, with 0.2% BSA & 0.09% sodium azide. Also available without BSA and azide at 1mg/ml, or Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

**Storage and Stability:** Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

#### Suggested References:

1. Blumenfeld W; et al (1996) Archives of Pathology and Laboratory Medicine. 120(5):478-81.

2. Dottorini ME, et al. (1996) Cancer, 77(8):1556-65.

#### Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

#### Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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